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TI Self-extinguishing styrenic rasin compositions with dripping during burning

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PA Asahi Chemical Ind, Japan

50 Jpn. Kokai Tokkyo Koho, 6 pp.

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The title compns. comprise (A) 100 parts rubber-modified styrenic resins, (B) AB 4-8 parts tetrabromobisphenol A and polyhalogenated aliph. ether derivs., (C) 20-50% (vs. B, B + C .ltoreq.10 parts) polyhalogenated diphenylalkanes, (D) 20-50% (vs. B) Sb203, and (E) 0.0005-0.05% (as Si) org. polysiloxanes. Thus, 100 parts polybutadiene-modified polystyrene was kneaded with 4 parts FG 3100, 1 part Saytex 8010, 1 part Sb203, and 0.005% TSF 451-100 and injection-molded to obtain a test piece showing Izod impact strength 9 kg-cm/cm, flexiral modulus 25,000 kg/cm2. heat distortion temp. 80.degree., UL-94 fire resistance rating V-2, and dripping and good self-extinguishing properties during a flammability test.